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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lightfoot et al.

**Serial No.: 09/772,134**

Group Art Unit: Not Assigned

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Docket No.: 1268/4/2

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For: ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES RELATING TO LOCI UNDERLYING RESISTANCE TO SOYBEAN CYST NEMATODE AND SOYBEAN SUDDEN DEATH SYNDROME AND METHODS EMPLOYING SAME

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the following references. Forms PTO/SB/08A and PTO/SB/08B are attached hereto. Copies of the references are also enclosed. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

U.S. Patent No. 5,491,081 to Webb discloses soybean cyst nematode resistant soybeans and methods of breeding and identifying resistant plants.

U.S. Patent No. 6,096,944 to Vierling et al. discloses methods for conferring broad-based soybean cyst nematode resistance to a soybean line.

U.S. Patent No. 6,162,967 to Webb discloses positional cloning of soybean cyst nematode resistance genes.

Publication by Bell-Johnson et al., "Biotechnology Approaches to Improving Resistance to SCN and SDS: Methods for High Throughput Marker Assisted Selection," Soybean Genetics Newsletter, p. 115-117, (1998).

Publication by Chang et al., "Association of Loci Underlying Field Resistance to Soybean Sudden Death Syndrome (SDS) and Cyst Nematode (SCN) Race 3," Crop Sci., p. 965-971, (1997).

Publication by Concibido et al., "Targeted Comparative Genome Analysis and Qualitative Mapping of a Major Partial-Resistance Gene to the Soybean Cyst Nematode," Theor. Appl. Genet., p. 234-241, (1996).

Publication by Concibido et al., "Genome Mapping of Soybean Cyst Nematode Resistance Genes in 'Peking', PI 90763 and PI 88788 Using DNA Markers," Crop Sci., p. 258-264, (1997).

Publication by Cregan et al., "Two Simple Sequence Repeat markers to Select for Soybean Cyst Nematode Resistance Conditioned by the rhg1 Locus," Theor. Appl. Genet., p. 811-818, (1999).

Publication by Cregan et al., "An Integrated Genetic Linkage Map of the Soybean Genome," Crop Sci., p. 1464-1490, (1999).

Publication by Kalinina et al., "Nanoliter Scale PCR with TaqMan Detection," Nucleic Acids Research, Vol. 25 (No. 10), p. 1999-2004, (1997).

Publication by Livak et al., "Oligonucleotides With Fluorescent Dyes at Opposite Ends Provide a Quenched Probe System Useful for Detecting PCR Product and Nucleic Acid Hybridization," PCR Methods and Applications, p. 357-362, (December 20, 1994).

Publication by Livak et al., "Towards fully Automated Genome-Wide Polymorphism Screening," Nature Genetics, p. 341-342, (1995).

Publication by Mahalingam et al., "Cytological Expression of Early Response to Infection by Heterodera Glycines Ichinohe in Resistant PI 437654 Soybean," Genome, p. 986-998, (1996).

Publication by Mahalingam et al., "DNA Markers for Resistance to Heterodera Glycines I. Race 3 in Soybean Cultivar Peking," Breeding Science, p. 435-443, (1995).

Publication by Matthews et al., "Molecular Markers Residing Close to the Rhg4 Locus Conferring Resistance to Soybean Cyst Nematode Race 3 on Linkage Group A of Soybean," Theor. Appl. Genet., p. 1047-1052, (1998).

Publication by Meksem et al., "A High-Resolution Map of the Vicinity of the R1 Locus on Chromosome V of Potato Based on RFLP and AFLP Markers," Mol. Gen. Genet., p. 74-81, (1995).

Publication by Meksem et al., "Clustering Among Loci Underlying Soybean Resistance to Fusarium Solani, SDS and SCN in Near-Isogenic Lines," Theor. Appl. Genet., p. 1131-1142, (1999).

Publication by Meksem et al., "Two Large-Insert Soybean genomic Libraries Constructed in a Binary Vector: Applications in Chromosome Walking and Genome Wide Physical Mapping," Theor. Appl. Genet., p. 747-755, (2000).

Publication by Nasarabadi et al., "Simultaneous Detection of TaqMan Probes Containing Fam and Tamra Reporter Fluorophores," Biotechniques, Vol. 27 (No. 6), p. 1116-1118, (1999).

Publication by Prabhu et al., "Selecting Soybean Cultivars for Dual Resistance to Soybean Cyst Nematode and Sudden Death Syndrome Using Two DNA Markers," Crop Sci., p. 982-987, (1999).

Publication by Webb et al., "Genetic Mapping of Soybean Cyst Nematode Race-3 Resistance Loci in the Soybean PI 437.654," Theor. Appl. Genet., p. 574-581, (1995).

Publication by Zobrist et al., "Integrated Physical mapping of the Soybean Genome: A Tool for Rapid Identification of Economically Important Genes," Soybean Genetics Newsletter, p. 1-9, (2000).

Early passage of the subject application to issue is earnestly solicited.

Appln. No. 09/772,134



Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this Information Disclosure Statement to Deposit Account No. 50-0426.

Respectfully submitted,

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